Mission Planning SPD Remarks



Systems Engineering and Integration Contract (SEIC)
Industry Day Conference
15 Oct 03

Col Bill Nelson

Mission Planning SPO

Front Office
Col Nelson, SPD
Mr. Cote, Deputy SPD
Lt Col Randall (Reserve – AGR), Deputy SPD
Mr. Mullen, Chief Engineer (MITRE)

Maintenance
LtCol Lanier, OO-ALC
Gary Nielson, OO-ALC

Ops Capability
Lt Col Denney, ACU-OL1
Mr. Watters (MITRE)

SW Dev & Integration
Maj Drake
Scott Gray (MITRE)

FMS
J. Mahoney

Mission Planning Today

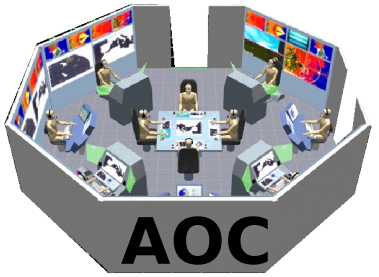
AF



MPS IV



B-2





MPS V/VI



RQ-4A



B-1



B-52



F-15C on MPS III

F-15C/E



F-117



U-2



F-16 Blk40/50/HTS



F-22





PFPS



MQ-1/9



A-10, F-16 Blk30
HH-60, T-38



All C130s,
C-5, C-9, C-17

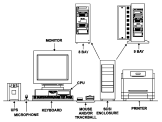


E-3, E-8



KC-135,
KC-10, RC-13

NAVY



TAMPS



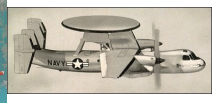
F/A-18



F-14



S-3



E-2



AH-1



ARMY



AMPS



AH-64C/D



OH-58D



CH-47D



UH-60A



RAH-66

CY04



JMPS



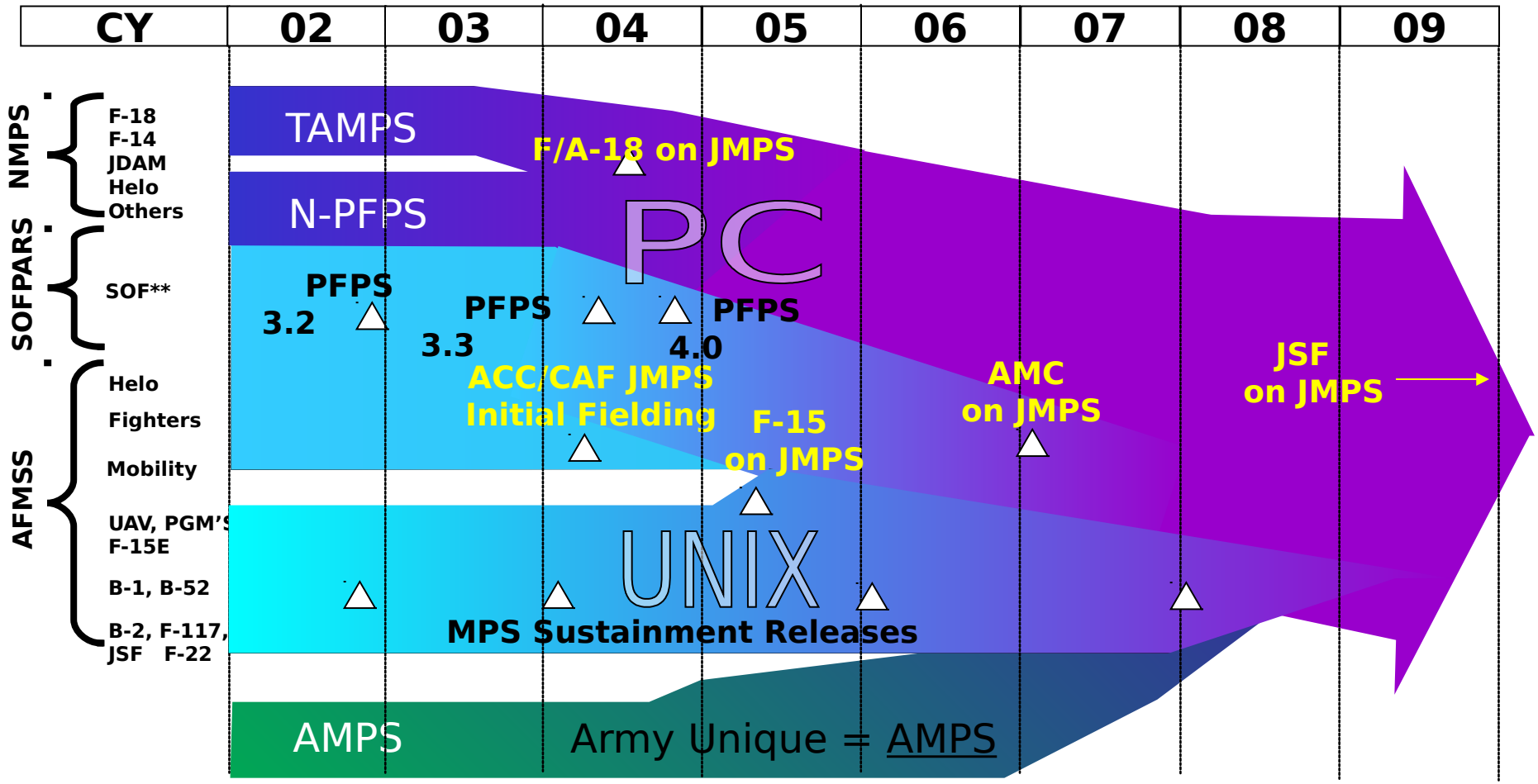
F/A-18



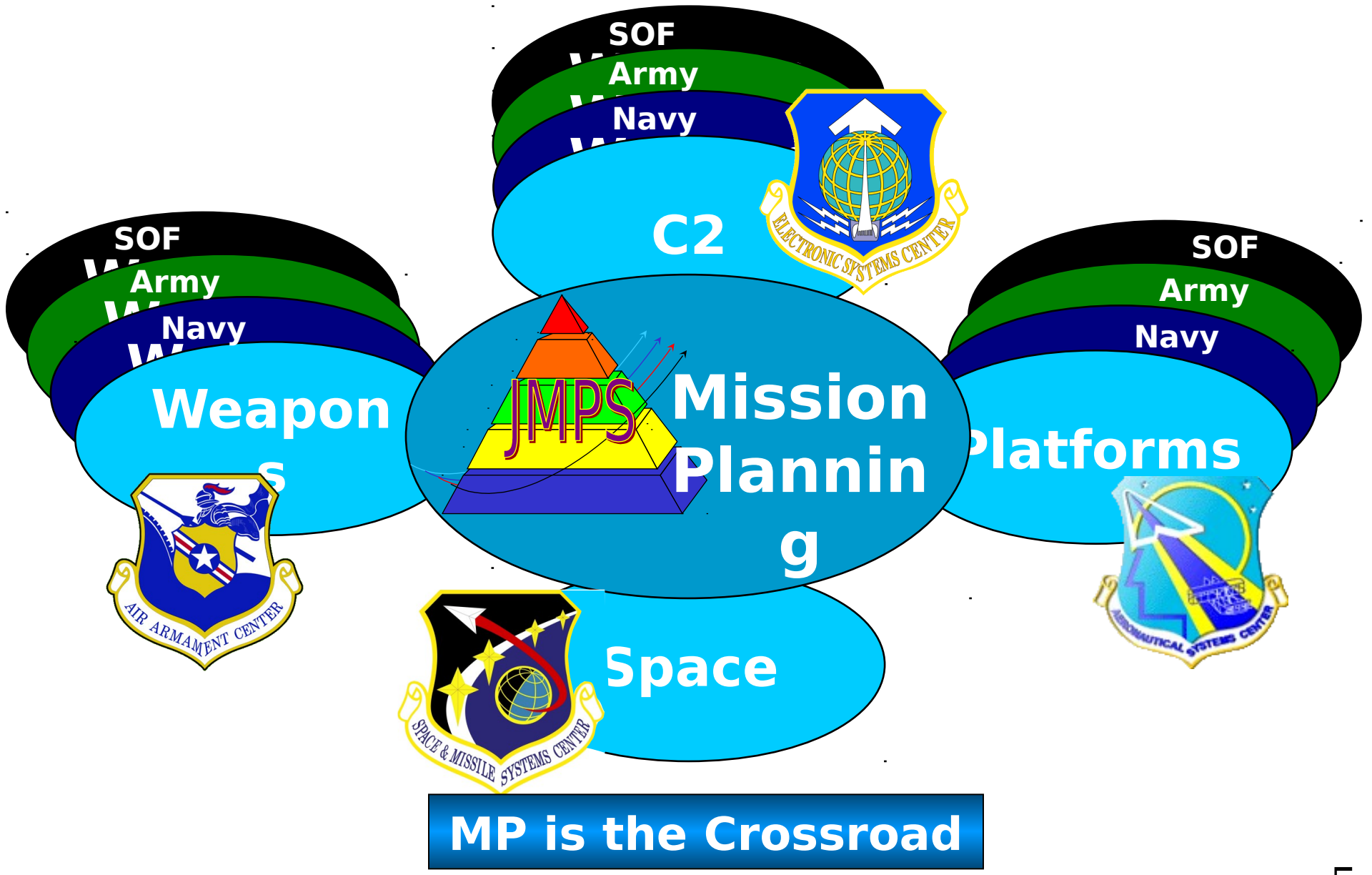
RC-135



DoD Mission Planning Roadmap



Large Scale Product Integration



Mission Planning Environment (MPE) Data Flow



GI+S/FL IP | Tasking | Intelligence | GPS | Weather

Task View | PGMTDB | **Top Secret/SAR MPE**

TS/SAR/SCI/SIOP

Routes *(1) | Schedule | Parametric Data | Order of Battle | PGM Data | Crypto Key | Almanac | Forecast Winds/Temp.

RAINDROP w/Ext. (B-2) | Key Fill Device | Climo Winds*(2) | GPS Receiver

AFIWC CSDB | Broadsword/ AMC SIPRNET MIDB | AOC MAAP Cell | NSA | ACFP (USAF) or OPARS (USN)

Secret/SAR

AOC (TBMCS) | NIMA*(3) | NIMA/ AFSPC*(4) | AFWA (USAF) or TEDS (USN)

Parametric Data | OB/PGM | Almanac | Climo Winds*(2) | Winded Route

TBMCS UL Intel PC-I3 | RAINDROP w/Extension | WAVE (JEFX) | Un-Winded Route

Schedule | PGM Data | Key Fill Device | Forecast Winds/Temp. | DTD

Routes*(1) | Order of Battle | Crypto Key

Task View | Bird Dog | PGMTDB (MPS) or PFPS PGM AWEs | **Secret MPE**

SIPRNET or Satellite | Almanac | Forecast Winds/Temp.

Unclassified/Open

Regional Weather Squadron | AFWA or TEDS | ACFP (USAF) or OPARS (USN)

Eagle Vision Imagery | NIMA | Climo Winds*(2) | WAVE (JEFX) | Winded Route

Routes*(1) | Schedule | Forecast Winds/Temp. | Un-Winded Route

No Intelligence Data or Crypto Keys allowed in Unclassified system

Almanac

Task View | **Unclassified MPE**

GPS Moving Map Live Threat Feeds | Laptop or Elec. Knee-Board

In-Flight (Aircraft and Weapon

Mission Transfer

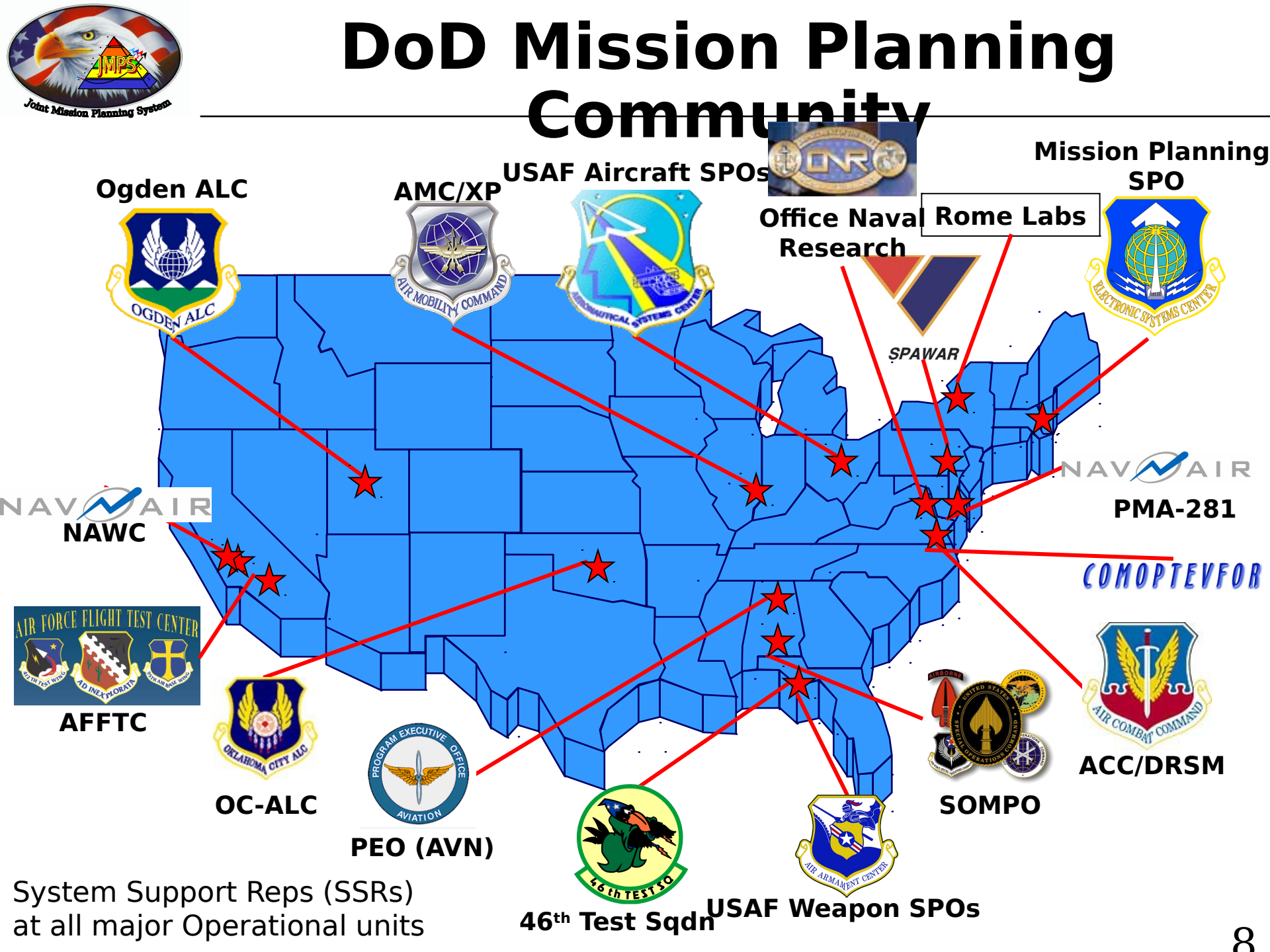
In-Flight Re-planning

Air Force Mission Planning Developer Community



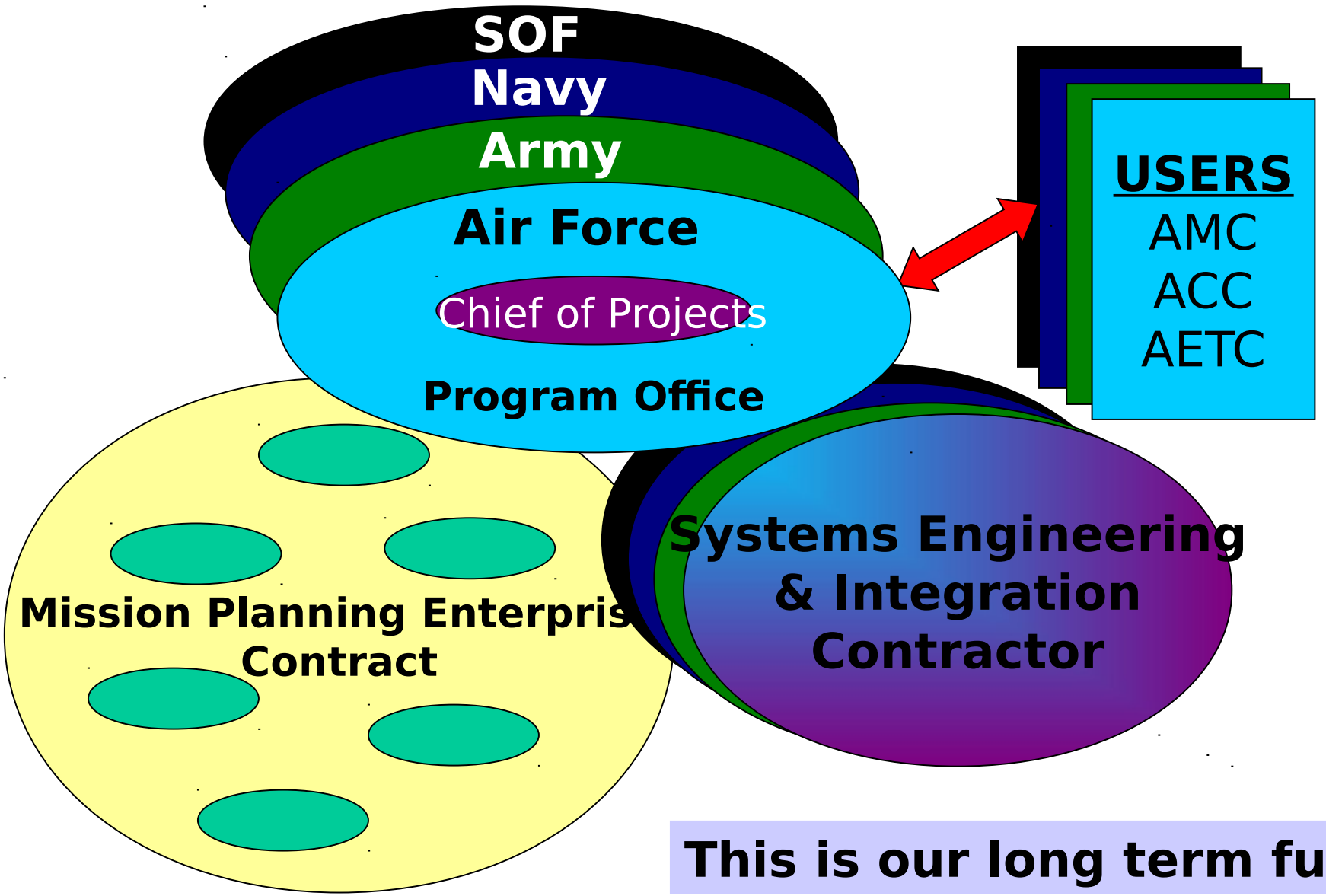
* Subcontractor

DoD Mission Planning Community



System Support Reps (SSRs) at all major Operational units

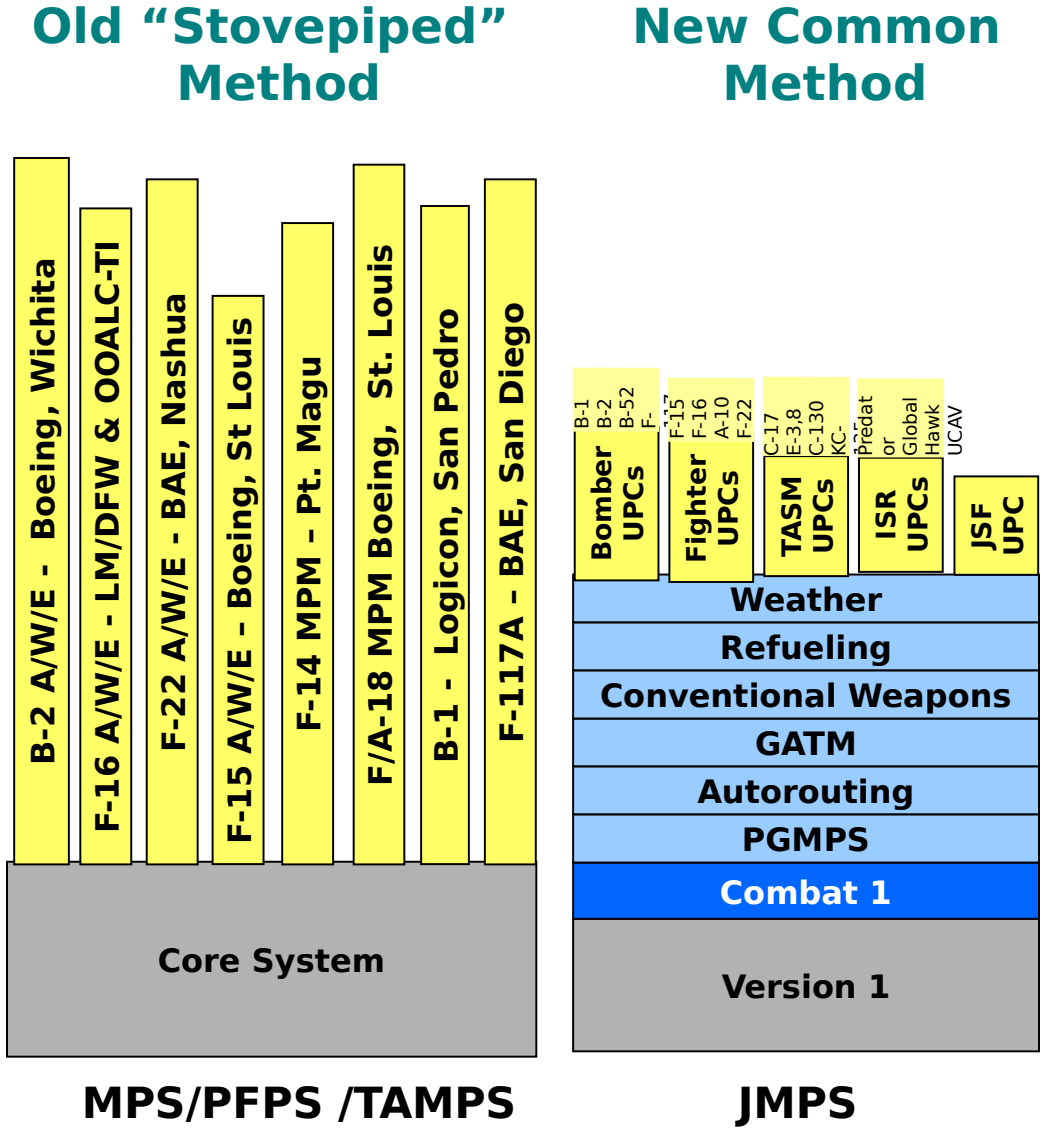
Shaping the Enterprise



This is our long term futu

JMPS Goals

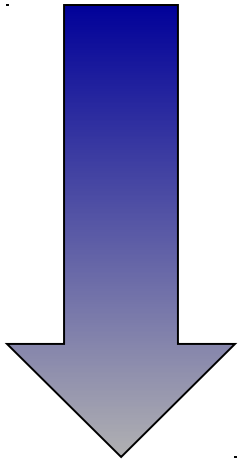
- ***Mission Statement***
  - Evolve world-class joint mission planning capabilities to support the war-fighter today and support Joint Vision 2010
- ***Objectives***
  - Scaleable framework for MP systems (AF, Navy, SOF, Army)
  - Collaborative interservice mission planner
  - COE Compliance
  - Reduce life-cycle costs
  - Capability ≥ legacy systems
  - Smooth migration



Build Once and Share

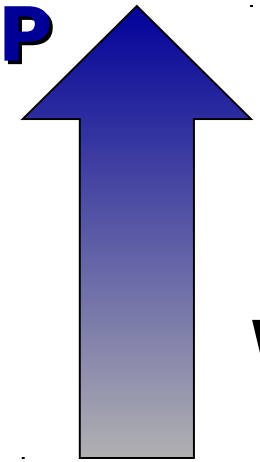
Challenges

- Limited Resources
  - Government civilians
  - ITSP
  - MITRE
  - Military
- Increased Workload
  - Platform migration
  - CC development
  - Cross-service coordination



Manning

$700M+ FYDP



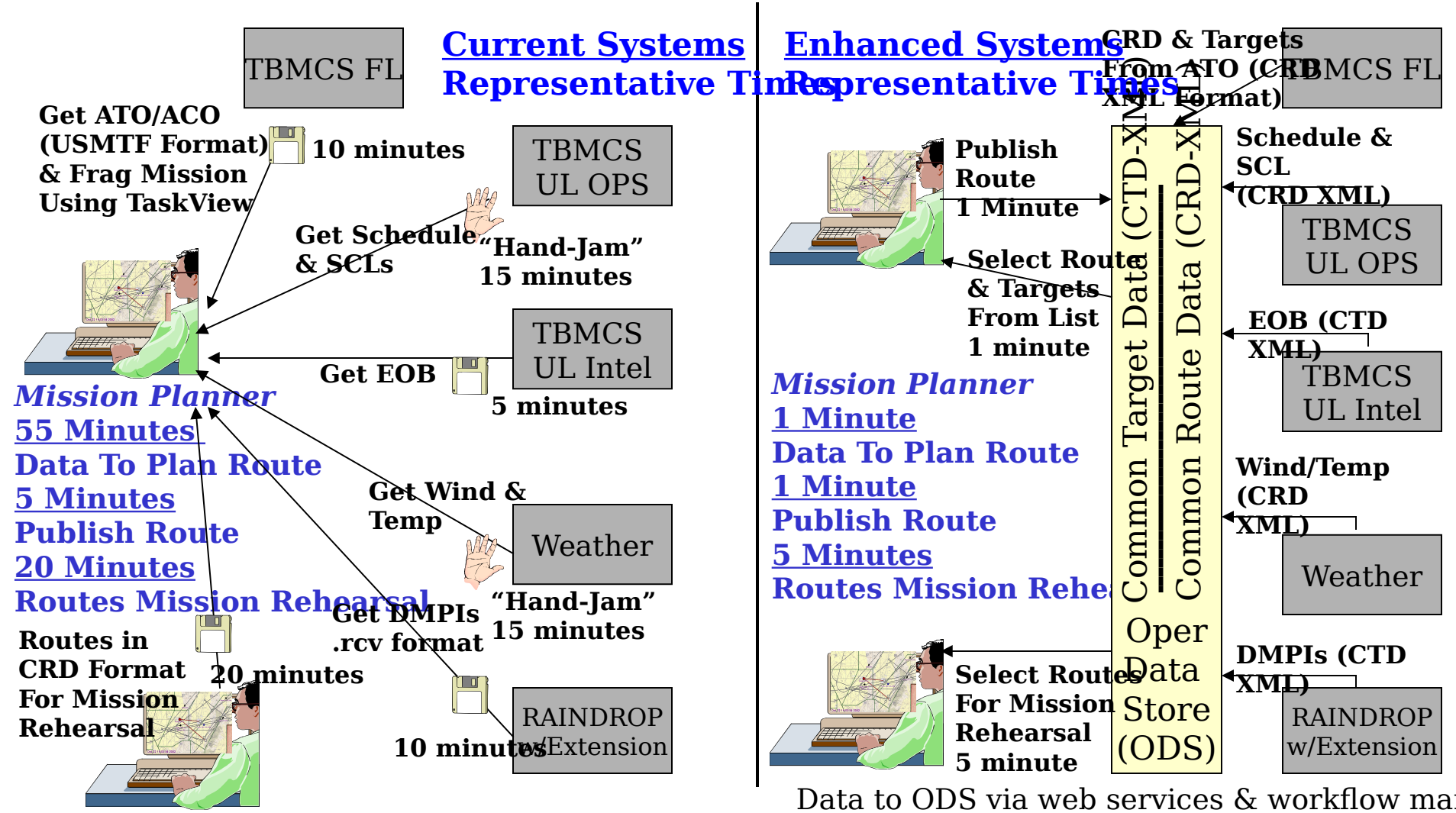
Workload

All AF Platform MP responsibility moved to ESC in FY04

SEIC Executive Summary

- Single contract vehicle for mission planning systems engineering and integration
  - Systems Engineering of JMPS Enterprise
  - Integration of JMPS components
  - Manage MPEs across all USAF platforms, including legacies
  - Evolution of mission planning products (son-of-JMPS)
- Support Air Force, Navy, Army, Marines, SOF requirements
- Single award – Cost reimbursement
- Period of Performance: 4 years base plus options
- Estimated percentage of total Mission Planning PE: 15-18 %
- Award in early FY04 to execute increased funding

Tech Challenge Example
SAPM Demo



Conclusion

- Listen critically to our strategy …
- Look for fatal flaws …
- Will we drive the desired behavior? …

We Need Your Help…